

MODIS Technical Team Meeting

Thursday, May 08, 2003

There was no physical MTT Meeting on May 08, 2003. All updates were submitted via email.

1.0 Upcoming events

- IGARSS 2003, July 21-25, 2003, Toulouse, France (abstracts deadline past). <http://www.igarss03.com/>
- 10th International Symposium on Remote Sensing by The International Society for Optical Engineering (SPIE). September 8-12, 2003, Barcelona, Spain (abstracts deadline past). <http://www.spie.org/info/rs>

2.0 Meeting Minutes

2.1 General Discussion

None.

2.2 Instrument Status

2.2.1 Terra Instrument

During the May 6th, 2003 (2003/126) Terra Solar Diffuser calibration with the Solar Diffuser Door in the full open position, the telemetry mnemonic, MOD_CR_DR_SDS_OPEN, did not change from NOT_OPEN to OPEN as was expected. Late analysis using day 126 SD calibration data indicated that the SDS (solar diffuser screen) did not open. An anomaly review meeting was held last Friday (May 09) afternoon and further investigation is ongoing. MODIS B8-16 calibration use data from SDS closed observations while other RSB bands use data when SDS is in open position. No immediate impact on science data calibration. If SDS won't open again, new RSB strategy needs to be considered.

Bob Evans (Miami) sent normalized water leaving radiance (L2 radiance product showing time vs. cross-scan), indicating an increasing trend starting around day 045 of 2003. In the 412 and 443 bands these offset/trends are approaching 15% in the nlw corresponding to ~1.5% in L1B. MCST is check this to see if there are any calibration related problems.

2.2.2 Aqua Instrument

Aqua MODIS is operating normally. Previous sector encode problems investigated. No impact identified on calibration and science products. New LUTs with coefficients for B26 de-striping using B5 delivered for the Aqua L1B V4.1.5.

2.3 MODAPS

SDST Report for May 5th-9th

Things are proceeding on schedule for the Oceans Reprocessing. MODAPS has installed StorNext software on mtvs2 (our reprocessing system) and are seeing rates of 4TB per day to written to tape and 2.5TB retrieved from tape. We had a backlog of stores waiting to go to tape that had built up over several weeks while we were waiting for the StorNext

install and the backlog was handled in one day. We plan to install StorNext on the forward processing string during the week of the May 12th. Tests were completed with the GSFC DAAC in which the DAAC was able to achieve ingest rates of 18x but did not reach the 4x reprocessing push needed for Land/Atmospheres. A follow-on test is scheduled for the week of May 12th.

Ingest rates are down at the EDC DAAC due to a hardware problem with the Aqua silo (note from 5/15: hardware problem was fixed but a software problem with the archive present at EDC, GSFC and Langley DAACs is still slowing ingest). MODAPS is slowing down production of Level 2g products to accommodate lower ingest rates and this will impact both our progress on the Land/Atmosphere reprocessing and our production of current data.

3.0 Action Items

3.1 New Action Items

None.

3.2 Old Action Items

3.2.1 King and Kempler to work together on getting ESDTs for the new Atmospheres L2 data product.

Status: Open.

3.2.2 Kempler to coordinate with Oceans group on creating documentation for the DAAC on the new Oceans L1A data subsets.

Status: Open.

3.2.3 Wolfe to contact Herring about the shopping cart feature for the Earth Observatory website.

Status: Open.

3.2.4 Tech Team to further discuss TRW using MODIS data for validation of the NPP/NPOESS production process.

Status: Open.

3.2.5 Johnston to create possible scenarios of when to reprocess Aqua and start Terra Collection 5.

Status: Open.

3.2.6 Conboy to poll Science Team for MODIS Science Team Meeting dates in August/September 2003. Responses due to Conboy by April 7, 2003.

Status: Open.